



Workshop on Mitigating AI Bias in Context

Overview & Background

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- Unwanted bias is an endemic risk in ML
 - falls under the AI RMF effort NIST has undertaken

This project intends to close an important gap in existing guidance about bias and fairness.

- Just calling for 'fairness' in machine learning is too general and leaves the practitioners confused.
- **Complementing high-level requirements with effective practice guides and technical tools is the main goal of this project.**

The outcomes of the project will help to ensure that the development and deployment of AI products and systems are as fair as possible.



Taking context into account is very important for the success of any bias mitigation approach

- but there are many, which context do we start with?

It is hard to overstate the importance of consumer credit underwriting to our lives individually and as a society.

Guaranteeing fair and open credit allocation to the public has been the primary goal of established law and regulations that govern this domain.

- **This workshop will help frame the issues facing us in the project in the context of consumer credit underwriting.**



We have published a draft [project description](#) document that outlines four scenarios to tackle:

- **pre-process**, with a focus on data;
 - **in-process**, with a focus on the model;
 - **post-process**, when the model is a black-box;
 - **human-AI teaming in decision making**, with a focus on cognitive biases.
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- All of these scenarios in the context of **consumer credit underwriting @ NCCoE**.

Note: comment period closes on **September 16, 2022**.

Global audience



Invited expert speakers who will cover all of these areas in their talks.

- represent a diverse set of backgrounds, viewpoints and come from different continents across the globe.

Agenda designed w/ multiple time zones in mind

Europe/US East Coast/US West Coast/Australia

Ending with a moderated discussion



NEXT: PROJECT LAUNCH

- Watch Nakia Grayson's presentation in the **Next Steps/Wrap Up** discussion at the end.



STAY IN TOUCH

CONTACT US



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Project page:

<https://www.nccoe.nist.gov/projects/mitigating-aiml-bias-context>





QUESTIONS ?

